ACTIVE NIGHT VISION SYSTEM FOR VEHICLES EMPLOYING ANTI-BLINDING SCHEME

Abstract of Disclosure

A night vision system for a vehicle includes a pulsed light source for illuminating a region proximate the vehicle, the light source operating at a predetermined pulse timing. A light sensor generates a light intensity signal in response to detecting light at approximately the same wavelength as light from the light source. A controller receives first and second light intensity signals from the light sensor corresponding to first and second time periods between pulses of the light source, compares the first and second light intensity signals, and modifies the light source pulse timing as a function of a ratio or difference between the first and second light intensity signals, to avoid blinding of the vehicle's night vision system by similarly-equipped vehicle's traveling in the opposite direction.

Figures